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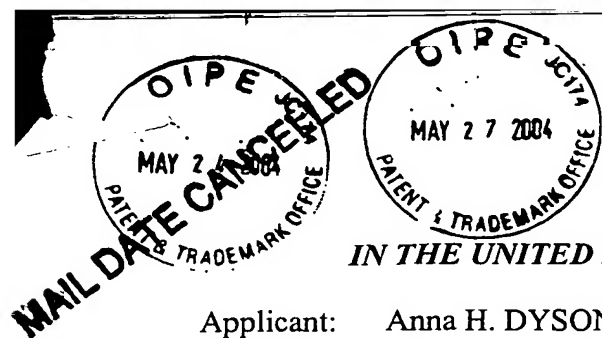
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Atty. Dkt. No. 047182-0128



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Anna H. DYSON et al.

Title: CONCENTRATING TYPE
SOLAR COLLECTION AND
DAYLIGHTING SYSTEM
WITHIN GLAZED BUILDING
ENVELOPES

Appl. No.: 10/816,933

Filing Date: 04/05/2004

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.



TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date 5/27/04

By Leon Radomsky

FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 672-5300
Facsimile: (202) 672-5399

Leon Radomsky
Attorney for Applicant
Registration No. 43,445

MAY 27 2004

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: 5/27/04

(use as many sheets as necessary)

Complete if Known

Application Number 10/816,933
 Filing Date 4/5/04
 First Named Inventor Anna H. DYSON
 Group Art Unit Unassigned
 Examiner Name Unassigned
 Attorney Docket Number 047182-0128

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A28	W0	03/105240	A1	DESSEL, Steven Van	12/18/03		Y

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A1	Wilson, Mike et al., "Sunlight, Optics and Liquid Optics: The UFO Project." Low Energy Architecture Research Unit, University of North London. 2000. URL: http://www.unl.ac.uk/LEARN/port/2000/ufo-pub/doc/epic_ufo.pdf	Y
	A2	"Defying the Laws of Physics Award: You are the sunshine of my windowless underground dome home." URL: http://buddhamaitreya.org/Fiber_Optic_Lighting.htm	Y
	A3	Fraas, L.M., W.E. Daniels, and J. Muhs. "Infrared Photovoltaics for Combined Solar Lighting and Electricity for Buildings." URL: http://www.jxcystals.com/Solar/munich2.pdf	Y
	A4	Grise, William, and Charles Patrick. "Passive Solar Lighting Using Fiber Optics." <i>Journal of Industrial Technology</i> . 19:1, 2002. URL: http://www.nait.org/jit/Articles/grise122002.pdf	Y
	A5	"Passive Fiber-optic Daylighting Prototype Wins Award from NAHB and Popular Science." <i>Energy User News</i> . 2002. URL: http://www.energyusernews.com/CDA/ArticleInformation/nwes/news_item/0,2588,77722,00.html .	Y
	A6	Cates, Michael R. "Hybrid Lighting: Illuminating Our Future." <i>Oak Ridge National Laboratory Review</i> . URL: http://www.ornl.gov/ORNReview/rev29_3/text/hybrid.htm	Y
	A7	"Optical Fiber Illuminators." URL: http://www.unl.ac.uk/LEARN/port/1998/daymedia/web/marco/projects/ofi/ofi.html	Y

Examiner
Signature

Date
Considered

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: 5/27/04 (use as many sheets as necessary)		Complete if Known	
		Application Number Filing Date First Named Inventor Group Art Unit Examiner Name Attorney Docket Number	10/816,933 4/5/04 Anna H. DYSON Unassigned Unassigned 047182-0128
Sheet	2	of	4

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A8	"New Cost-Efficient Solar Concentrator PV Systems." The All-Russian Institute for the Electrification of Agriculture. URL: http://www.ademe.fr/pcrd/Partenaires/russie4.doc	Y
	A9	Sater, Bernard L. "High Intensity Silicon Vertical Multi-Junction Solar Cells, Prepared for the Department of Energy Inventions and Innovation Program." Final Report -DOE/GO10523. January 31, 2003	Y
	A10	Green, M. <i>Solar Cells</i> , Prentice-Hall, Inc. 1982	Y
	A11	"Photovoltaics - Energy for the New Millennium: The National Photovoltaics Program Plan for 2000-2004." National Center for Photovoltaics. URL: http://www.nrel.gov/ncpv/pvmenu.cgi?site=ncpv&idx-3&body=infores.html	Y
	A12	"U.S. Photovoltaic Roadmap." Prepared by Energetics, Inc., May 2001. URL: http://www.nrel.gov/ncpv/pvmenu.cgi?site=ncpv&idx-3&body=pvplans.html	Y
	A13	"Utility-Scale Photovoltaic Concentrators." National Center for Photovoltaics. URL: http://www.nrel.gov/ncpv/pvmenu.cgi?site=ncpv&idx-3&body=infores.html	Y
	A14	"Transparenter Sonnenschutz mit Holographisch Optischen Elementen (HOE) und Photovoltaik (PV)." Institut für Licht-und Bautechnik an der Fachhochschule Köln. 1999. URL: http://www.ag-solar.de/projekte/berichte/25314197.pdf	Y
	A15	"PRIDE: Photovoltaic Facades of Reduced Costs Incorporating Devices with Optically Concentrating Elements." University of Ulster: Center for Sustainable Technologies. URL: http://www.engi.ulst.ac.uk/CSTNEW/pride.htm	Y
	A16	"Bringing air and light to the working environment." <i>Research Focus: Promoting the Application of Research in Building and Civil Engineering</i> . Issue 35, November, 1998. URL: http://ice.org.uk/rtpdf/rfnov98.pdf	Y

Examiner Signature		Date Considered	
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		Application Number	10/816,933		
		Filing Date	4/5/04		
		First Named Inventor	Anna H. DYSON		
		Group Art Unit	Unassigned		
		Examiner Name	Unassigned		
Sheet	3	of	4	Attorney Docket Number	047182-0128

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	A17	Fanney A. Hunter, et al "Performance and Characterization of Building Integrated Photovoltaic Panels." National Institute of Standards and Technology. Reprinted from proceedings of 29 th IEEE Photovoltaic Specialists Conference, 2002. URL: http://bfrl.nist.gov/863/bipv/documents/ieeeFNL.pdf	Y
	A18	Travers, Dean "Examples of Building Integrated PV Products." University of New South Wales, Australia. URL: http://pv.unsw.edu.au/miscpapers/BIPV/APP11.pdf	Y
	A19	"Conference Papers and Other Publications." Key Centre for Photovoltaic Engineering UNSW. URL: http://www.pv.unsw.edu.au/conf.html .	Y
	A20	"Photovoltaics." U.S. Department of Energy: Energy Efficiency and Renewable Energy. URL: http://www.eere.energy.gov/RE/solar_photovoltaics.html	Y
	A21	Leutz, R. and Suzuki, A., <i>Nonimaging Fresnel Lenses: Design and Performance of Dolar Concentrators (Springer Series in Optical Sciences, No. 83)</i> , Springer Verlag, 200.	Y
	A22	Recent Progress in the Development of III-V Solar and Thermophotovoltaic Cells, F. Dimroth, et al, Compound Semiconductor 6(6) August 2000, p. 1-4	Y
	A23	Kookaburra: Solar Window Shades 02-09-2003 <i>Wired News</i> by Anna Dyson; http://kookaburra.typepad.com/weblog/2003/09/solar_window_sh ... Accessed 1/9/04	Y
	A24	Solar Cell Manufacturers Come Back Down to Earth, Optics.org., p. 1-6 plus figures; http://optics.org/articles/feature/8/12/1/1 Accessed 1/12/04;	Y

Examiner Signature		Date Considered	
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		Application Number	10/816,933		
		Filing Date	4/5/04		
		First Named Inventor	Anna H. DYSON		
		Group Art Unit	Unassigned		
		Examiner Name	Unassigned		
Sheet	4	of	4	Attorney Docket Number	047182-0128

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	A25	The Technology to Explore, Rensselaer Magazine, Fall 2003; New Dimensions in Architecture, p. 1-4, http://www.rpi.edu/dept/NewsComm/Magazine/fall03/feature1-3 . Accessed 1/9/04	Y
	A26	Taking a Load Off the National Power Grid, Press Release, 8/21/03, p. 1-2, http://www.rpi.edu/web/News/press_releases/2003/grid.html Accessed 1/9/04	Y
	A27	Taking a Load Off the National Power Grid, New solar-powered Window System Heats; Cools, Lights and Shades Commercial Buildings, ScienceDaily News Release, pg. 1-4, http://www.sciencedaily.com/releases/2003/08/030826065552 Accessed 1/9/04	Y
	A29	Abstract JP 06 174249A, Komatsu Ltd. 6/24/94	Y
	A30	Abstract JP 04 280482A, OKI Electric Ind. Co. Ltd., 10/6/92	Y
	A31	Abstract JP 2002 081274A, Mitsubishi Estate Co., Ltd., 3/22/02	Y
	A32	Abstract, JP 60 260166A, FUJI et al, 12/23/85	Y

Examiner Signature		Date Considered	
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